

CLAIM AMENDMENTS

1-68 (Previously Cancelled)

69. (Previously Amended) The waveguide system of Claim 79 wherein said first polarization is substantially identical to said second polarization.

70. (Previously Amended) The waveguide system of Claim 79 wherein said first polarization is substantially orthogonal to said second polarization.

71. (Previously Amended) The waveguide system of Claim 79 wherein the amount of rotational offset of the slot in the polarization plate from the orientation of the first passage is substantially 45°.

72. (Previously Amended) The waveguide system of Claim 79 wherein the rotational offset between said first ^{passage} path and said slot is the same as the rotational offset between said slot and said second ^{passage} path.

73. (Previously Amended) The waveguide system of Claim 79 wherein said signal is a radio frequency signal in the range of 2 to 110 GHz.

74. (Previously Amended) The waveguide system of Claim 79 wherein said signal is a radio frequency signal is in the microwave frequency range.

75. (Previously Amended) The waveguide system of Claim 79 wherein said ^{passage} first path is associated with a radio communication apparatus and said second ^{passage} path is associated with an antenna.

76. (Previously Added) The waveguide system of Claim 75 wherein said antenna is a polarized antenna and the polarization of said polarized antenna is the same as the polarization of said second ^{passage} path.

77. (Previously Amended) The waveguide system of Claim 79 wherein said first ^{passage} ~~path~~ is associated with an antenna and said second ^{passage} ~~path~~ is associated with a radio communication apparatus.

78. (Previously Added) The waveguide system of Claim 77 wherein said antenna is a polarized antenna and the polarization of said polarized antenna matches the polarization of the first ^{passage} ~~path~~.

79. (Previously Amended) A waveguide system for propagating a signal wherein said signal enters said waveguide system oriented with a first polarization and exits said waveguide system oriented with a second polarization, said waveguide system comprising:

a first waveguide adapted to be operatively connected to a polarization plate, said first waveguide comprising a first passage for propagating said signal through the first waveguide wherein said first passage is oriented substantially similar to the orientation of the signal when the signal is oriented with said first polarization;

a second waveguide adapted to be operatively connected to the polarization plate, said second waveguide comprising a second passage for propagating said signal through the second waveguide wherein said second passage is oriented substantially similar to the orientation of the signal when the signal is oriented with said second polarization; and

a polarization plate adapted to be operatively connected to said first and second waveguides so as to allow for the propagation of the signal from the first waveguide where the signal is oriented with the first polarization, through said polarization plate, to